SCOOP 5 IP

Cost efficient and reliable: Rack mount codec for IP audio transmission

NEW

IP | **LL** | **SIP**

The new **SCOOP 5 IP** is a rack mount codec for IP studio to transmitter and other pure IP links, designed specifically for broadcasters (STL applications) or others who wish to do their live transmissions over IP. **SCOOP 5 IP** allows to configure and manage the equipment via an embedded web page. Another great advantage of **SCOOP 5 IP** is its packet duplication algorithm, which prevents time dropouts, and its attractive price.

+ Audio transmission via Leased Lines, Ethernet/IP
+ Broadest range of compression algorithms, including 4SB ADPCM, AAC-LC, HE-AAC, HE-AAC v2
+ Broadcast quality audio
+ Telecom grade reliability
+ Packet duplication algorithm, which prevents time dropouts
+ Low power platform on a Linux architecture
+ No noise and higher reliability because no fan is necessary

AETA
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superior sound since 1978

Technical Features

SCOOP 5 IP

All the facts and figures about our rack mount codec

HIGHLIGHTS AT A GLANCE

+ Wide range of coding algorithms, including AAC
+ IP interface for SIP/AoIP+VoIP
+ Compliant with EBU Tech 3326
+ Webserver with enhanced functions
+ AES/EBU I/O
+ DC powering 12 V (optional)
+ Higher reliability because no fan is necessary

AUDIO

Analogue
+ Symmetrical, max level adjustable 0 to +22 dBu
+ Input impedance 600 Ω or 10 kΩ
+ Output impedance < 100 Ω
+ XLR sockets (2 female in, 2 male out)

Digital
+ AES/EBU I/O
+ Sampling rate 32 kHz, 48 kHz, 96 kHz or synchronised to input (Genlock mode)
+ XLR sockets (1 female in, 1 male out)

Performance[1]
+ Bandwidth 20–20 000 Hz (FS 48 kHz)
+ THD + N < -80 dB (0.01 %)
+ Channel separation > 80 dB

TRANSMISSION INTERFACES

Leased Lines
+ X24 / X21 / V11 / V35 interface
+ Bit rate 64 to 384 kbit/s

Ethernet
+ 100/10BaseT IP/SIP
+ SIP protocol, involving SDP, RTP, RTCP, UDP and other IETF standards

ALGORITHMS

Phone quality: G711 3.1 kHz
Extended bandwidth voice
+ G722 7 kHz (SRT/H221/H242)
+ CELP (7 kHz voice, 24 kbit/s)

Low delay: 4SB ADPCM
+ Latency time < 10 ms, 15 kHz bandwidth
+ Mono or stereo, 128 kbit/s per audio channel

MPEG Layer II
+ 64 to 384 kbit/s
+ Sampling rate 48 kHz, 32 kHz, 24 kHz, 16 kHz

MPEG AAC
+ AAC-LC, HE-AAC, HE-AAC v2
+ 16 to 256 kbit/s
+ Sampling rate 48 kHz or 32 kHz

AUXILIARY FUNCTIONS

Auxiliary functions
+ Embedded in encoded audio stream
+ No additional network resources needed
+ Exact capabilities depend on audio coding algorithm used

Data channel
+ RS232 interface, 300 to 9600 bauds

Relay transmission
+ Transmission of digital I/O: 8 inputs, 8 outputs
+ Including 2 isolated I/O

Audio coordination channel (optional)
+ Voice grade
+ 8 kbit/s only

OPERATIONAL INFORMATION

User interface
+ Alarm and status indicators

Control and supervision
+ Remote control via Ethernet/IP or RS232 interface
+ Embedded html server

General
+ Dimensions (W x H x D): 480 x 44 x 252 mm (18.9″ x 1.73″ x 9.9″)
+ Weight: 3.2 kg (7 lb)
+ Power supply: AC 85-263 V / option 12 V DC
+ Temperature range: 0° to 45° C

VERSION AND OPTIONS

Version
+ IP and leased line interfaces

Options and accessories
+ Audio coordination channel
+ AAC coding algorithms (AAC-LC, HE-AAC, HE-AAC v2)
+ 12V DC input

Note 1: Over the full 20–20 000 Hz bandwidth, unless otherwise specified

TRIED AND TRUSTED ALL OVER THE WORLD

AETA Audio Systems is a leading international developer of portable sound recording units, mixers and advanced audio codecs, optimised for any kind of media and transmission infrastructure. "Made by AETA" is a synonym for high quality and investment protection.

With a strong commitment to innovation the company has a great history of industry firsts. AETA is a co-founder of the Audio-Over-IP experts group, which includes the leading manufacturers worldwide and targets inter-operation standards for IP transmission meeting EBU recommendations.

CONTACTS

For further information on AETA Audio Systems, its products and its national and international customers please go to aeta-audio.com or call us on +33 (0) 141 361 200 France.

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